

## Product Datasheet

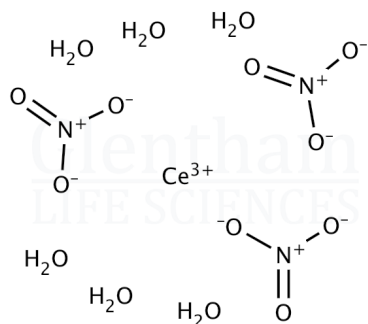
### GK5085 - Cerium(III) nitrate hexahydrate

#### Product Details

|                    |                                               |
|--------------------|-----------------------------------------------|
| Product Name       | Cerium(III) nitrate hexahydrate               |
| Glenthams Code     | GK5085                                        |
| CAS Number         | 10294-41-4                                    |
| EINECS             | 233-297-2                                     |
| MDL-Nummer         | MFCD00149631                                  |
| PubChem SID        | 310269549                                     |
| Zusätzliche CAS    | 10108-73-3                                    |
| Related Categories | Inorganics, Metal Salts, Rare Earth Compounds |

#### Structure

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Molecular Weight  | : 434.23                                             |
| Molecular Formula | : $\text{CeN}_3\text{O}_9 \cdot 6\text{H}_2\text{O}$ |



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

|                    |                        |
|--------------------|------------------------|
| CLP Classification | Ox. Sol. 2, Eye Dam. 1 |
| Signal Word        | Gefahr                 |
| Hazard Codes       | H272, H318             |

#### Precautionary Codes

P220, P280,  
P305+P351+P338

#### Pictograms



#### UN Number, Class, PG (RID)

UN1477 - 5.1 - PG II

#### Glenthams Product Specification

|                                                   |                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------|
| Physical Description                              | : Colourless crystals or white to almost white crystalline powder |
| Solubility (5% in water)                          | : Clear to very faintly turbid solution                           |
| Sulphate (SO <sub>4</sub> )                       | : ≤ 100ppm                                                        |
| Iron(III) oxide (Fe <sub>2</sub> O <sub>3</sub> ) | : ≤ 25ppm                                                         |
| Calcium Oxide (CaO)                               | : ≤ 25ppm                                                         |
| Lanthanum oxide (La <sub>2</sub> O <sub>3</sub> ) | : ≤ 100ppm                                                        |
| Assay                                             | : ≥ 99.5% (CeO <sub>2</sub> /TREO basis)                          |
| Version                                           | : v1.0                                                            |

#### About Cerium(III) nitrate hexahydrate

No further details on record.